

Aims:

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1. A radio system for sending and receiving electronic messages from a personal digital assistant through a cellular phone, the radio having a microprocessor and a connector for connecting to the personal digital assistant, said system comprising:
- a modem incorporated into the radio and having means for connecting to the personal digital assistant; and
- a communication port having access to said modem and the cellular phone, said communication port having a controller for communicating transmission signals to said radio;
- whereby the radio transmits information that monitors a communication connection for data transmission between the personal digital assistant and the cellular phone through the modem and the communication port transmits information about the status of the connection to the radio.
2. The system as claimed in claim 1 wherein said modem further comprises AT commands that are decoded and acted upon by the radio.
3. The system as claimed in claim 2 wherein said AT commands further comprise a dial command, a hang-up command, and an extended results code command.
4. The system as claimed in claim 1 wherein said communications port disables predetermined functions of the radio during communication between the phone and the personal digital assistant so as not to interfere with the data transmission.
5. A method for sending and receiving electronic messages from a personal digital assistant and a cellular phone through a radio system having a modem and a communication port, said method comprising the steps of:

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continuing to monitor the personal digital assistant for a data terminal ready signal; and

waiting a predetermined period of time before resuming the step of verifying the availability of the phone.

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removing power from the modem in the absence of a data terminal ready signal; and

terminating the audio channel connection.

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determining a computer connection does not exist;
determining the existence of an operator on the audio channel;
terminating the cellular phone call;
terminating the audio channel connection;
waiting for a predetermined period of time before resuming the method at the step of verifying the availability of the phone.

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determining the status of the phone; and
determining the status of the modem.

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